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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,431	09/19/2003	Rento Tanase	P 306046 H7975US	8307

7590 11/30/2004

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EXAMINER

GREEN, CHRISTY MARIE

ART UNIT	PAPER NUMBER
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3635

DATE MAILED: 11/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/666,431

Applicant(s)

TANASE, RENTO

Examiner

Christy M Green

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 11/26/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☒ Other: See Continuation Sheet.

Continuation of Attachment(s) 6). Other: Exhibit A- attached figures (1).

DETAILED ACTION

This is a first office action for serial number 10/666431, entitled Hollow Pane, filed on September 18, 2003.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 4-7 and 9-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Guiton, US Patent # 5,069,737.

Guiton discloses the claimed invention a hollow panel (figure 8-L) comprising: first hollow portions (at 82) arranged in a substantially same plane and having a first sectional areas (where 82 is located); and second hollow portions (at 94) arranged in the substantially same plane and having a second sectional areas (where 94 is located) different from the first sectional areas (figure 8-L); the first hollow portion and the second hollow portion are alternatively arranged in the substantially same plane (figure 8-L); a sectional shape of the first and second hollow portions is a trapezoidal (Figure 8-L); first hollow portions (at 82) arranged in a substantially same plane and having a first width (attached figure 8-L – w1); and second hollow portions (at 94) arranged in the substantially same plane and having a second width (attached figure 8-L – w2) different from the first width; the first width is defined between a pair of partition-walls-defining-the-first-hollow-portion, and the second width is defined between

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a pair of partition walls defining the second hollow portion (attached figure 8-L); the first and second hollow portions are alternatively arranged in the substantially same plane (figure 8-L).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3, 8 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Guiton in view of Eastman et al., US patent # 4,606,955.

Guiton discloses the claimed invention as stated above, except for a solid portion forming member is inserted into a specific one of the first and second hollow portions, the solid portion forming member having a section shape which substantially corresponds to a section shape of the specific hollow portion; however, Guiton does disclose another hollow portion, or core formers inserted into the first and second hollow portions that correspond to the shape of the sections. Eastman teaches that it is known in the art to provide a solid portion (2, 3) forming member inserted into first and second hollow portions (formed by 4 and 7) corresponding to the shape of the sections (figure 2). It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the solid portion members as taught by Eastman with

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the panel of Guiton in order to provide an increase in electrically conductive within the panel (column 1, lines 65-67).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christy M Green whose telephone number is 703-308-9693. The examiner can normally be reached on M-F 8:00-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Friedman can be reached on 703-308-0839. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Cg

November 26, 2004


Carl D. Friedman
Supervisory Patent Examiner
Group 3600

FIG. 8

